

Converting Colors

XYZ(12.4968, 18.2924, 2.8721)

Have a look what the booklet for
XYZ(12.4968, 18.2924, 2.8721)
contains.

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Color

**XYZ(12.4968, 18.2924,
2.8721)**

Conversions

Conversions Part 1

Format	Color
Hex	5D8200
RGB	93, 130, 0
RGB Percent	36%, 51%, 0%
CMY	0.6353, 0.4902, 1.0000
CMYK	0.28, 0.00, 1.00, 0.49
HSL	77°, 100%, 25%
HSV	77°, 100%, 51%
XYZ	12.4968, 18.2924, 2.8721
YIQ	104.1170, 19.6780, -48.2740

Conversions

Conversions Part 2

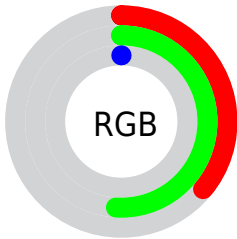
Format	Color
RYB	0, 130, 37
Decimal	6128128
CIELab	49.85, -29.58, 54.00
CIElCh	50, 61.570, 118.717
Yxy	18.2924, 0.3713, 0.5434
Android (android.graphics.Color)	4284318208 (0xFF5D8200)
YUV	104.1170, -51.3297, -9.7496
Hunter-Lab	42.7696, -22.6911, 25.9572

Details

The XYZ color **12.4968, 18.2924, 2.8721** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.7929, 2.0055, 21.2546**, and the grayscale version is **13.3197, 14.0134, 15.2605**.

A 20% lighter version of the original color is **29.9202, 40.4517, 11.2320**, and **3.7831, 6.2087, 0.9990** is the 20% darker color. If you saturate the color by 10%, you get **12.4970, 18.2931, 2.8723**, and if you desaturate by 10%, it is **12.9536, 18.5201, 3.2730**.

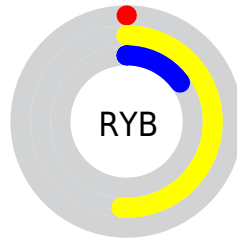
Distribution



Red (36%)

Green (51%)

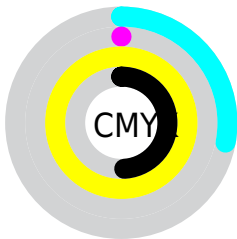
Blue (0%)



Red (0%)

Yellow (51%)

Blue (15%)

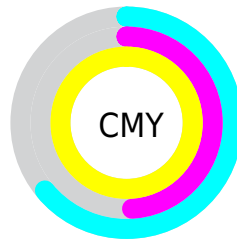


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (64%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4968, 18.2924, 2.8721 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.4968, 18.2924, 2.8721 by changing the saturation by 10% instead.

■ 12.4968, 18.2924,
2.8721

■ 12.4968, 18.2924,
2.8721

201.3705,
242.5140, 134.7146

■ 7.1576, 11.1601,
1.0297

■ 30.0058, 40.5349,
11.3112

■ 3.6080, 6.1746,
0.0000

■ 42.9063, 56.4140,
18.7449

■ 1.4829, 2.9516,
0.0000

■ 59.0579, 75.9774,
28.8796

■ 0.3141, 1.1065,
0.0000


■ 78.8261, 99.6096,
42.1336


■ 0.0000, 0.0000,
0.0000


■ 102.5760,
127.6950, 58.9256


■ 130.6732,


160.6179, 79.6740


 163.4829,
198.7628, 104.7975


 12.4968, 18.2924,
2.8721


 12.4968, 18.2924,
2.8721


 12.4970, 18.2931,
2.8723

 12.9536, 18.5201,
3.2730

 13.4695, 18.7729,
3.8914

 14.0701, 19.0617,
4.8579

 14.7633, 19.3898,
6.2144

 15.5564, 19.7600,
7.9966

■ 16.4555, 20.1749,
10.2364

■ 17.4663, 20.6367,
12.9624

■ 18.5941, 21.1476,
16.2013

■ 19.8437, 21.7095,
19.9773

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.6409, 18.2924, 1.9113



12.4968, 18.2924, 2.8721



9.3986, 18.2924, 7.3846

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.4968, 18.2924, 2.8721



12.1481, 18.2924, 62.4282



31.3287, 18.2924, 20.6515

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.4968, 18.2924, 2.8721



4.7929, 2.0055, 21.2546

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.9594, 18.2924, 41.9266



12.4968, 18.2924, 2.8721



17.1343, 18.2924, 73.0520

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.4968, 18.2924, 2.8721



9.2315, 18.2924, 39.8967



23.4093, 18.2924, 63.9946



29.3168, 18.2924, 8.0522

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.4968, 18.2924, 2.8721



8.4835, 18.2924, 14.2263



23.4093, 18.2924, 63.9946



31.0102, 18.2924, 26.9536

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.4972, 18.2932, 2.8725



30.6295, 36.2826, 22.4693



9.8630, 6.0593, 0.6499



6.7875, 8.1461, 4.6869



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.4972, 18.2932, 2.8725



21.8584, 32.1374, 5.0511



8.4667, 16.2154, 2.6839



4.5498, 4.9599, 4.6377



11.9889, 17.5429, 2.7542



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.7929, 2.0055, 21.2546



8.3104, 3.4645, 37.4232



9.4906, 4.4272, 21.4745



4.2149, 4.2664, 5.4146



4.6013, 1.9257, 20.3791



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4968, 18.2924, 2.8721 looks on a white background.

Color Contrast Check

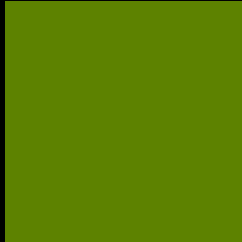
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.4968, 18.2924, 2.8721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

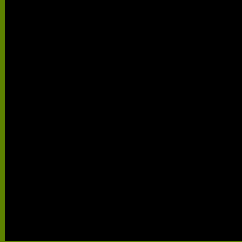
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4968, 18.2924, 2.8721

Background



This preview shows how black text looks on a background with the XYZ color 12.4968, 18.2924, 2.8721.



This preview shows how white text looks on a background with the XYZ color 12.4968, 18.2924,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.4968, 18.2924, 2.8721

Protanopia

16.2697, 18.1802, 2.6516

Deuteranopia

18.3535, 18.0438, 3.3796



Tritanopia

16.6923, 18.2897, 23.7696

Trichromacy



Original Color

12.4968, 18.2924, 2.8721

Protanomaly

14.5542, 18.0175, 2.7106

Deuteranomaly

15.7363, 17.8953, 3.0767

Tritanomaly

14.1358, 17.8065, 10.8756

Monochromacy



Original Color

12.4968, 18.2924, 2.8721

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.1440, 14.9129, 7.3927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4968, 18.2924, 2.8721 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(93, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 130, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(93, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 130, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4968, 18.2924, 2.8721 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 130, 0) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(93, 130, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(93, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 130, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4968, 18.2924, 2.8721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 130, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(93, 130,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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